

COMBINED DECLARATION AND POWER OF ATTORNEY

I, a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS AND METHOD FOR REDUCING OSCILLATOR FREQUENCY PULLING DURING AM MODULATION, the specification of which is attached hereto unless the following is checked:

☒ The specification was filed on November 19, 2003 as United States Application Number 10/717,426.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	(Yes/No)
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I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

<u>60/120,641</u>	<u>February 18, 1999</u>
(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>09/336,912</u>	<u>June 21, 1999</u>	<u>patented</u>
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

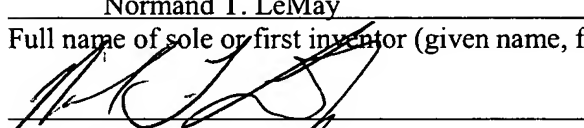
James H. Patterson (30,673), John F. Thunte (29,595), Wm. Larry Alexander (37,269), Kimberly K. Baxter (40,504), Eric H. Chadwick (41,664), Randall T. Skaar (42,151), Douglas J. Christensen (35,480), Curtis B. Herbert (45,443), Michael A. Bondi (39,616), Paul C. Onderick (45,354), Brad D. Pedersen (32,432), Scott G. Ulbrich (48,005), Peter S. Dardi (39,650), Jose W. Jimenez (31,113), Matthew T. Macari (50,291), Thomas G. Dickson (51,616), Bradley J. Thorson (52,288), Plymouth D. Nelson (48,172), J. Paul Haun (53,003), Wendy J. Cusick (52,788), Irene B. Eckert (52,848), Brian L. Jarrells (53,067), Tye Biasco (53,989), Kam W. Law (44,205), and Amy M. Salmela (P55,910).

Address all telephone calls to: Kimberly K. Baxter at telephone number (612) 349-5750.

Address all correspondence to: Customer No. 24113
Kimberly K. Baxter
Patterson, Thunte, Skaar & Christensen, P.A.
4800 IDS Center, 80 South 8th Street
Minneapolis, Minnesota 55402-2100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Normand T. LeMay
Full name of sole or first inventor (given name, family name)


Inventor's signature

Feb 6, 2004
Date

Minneapolis, Minnesota
Residence (City and either State or Foreign Country)

United States of America
Citizenship

c/o Itron, Inc., 2818 North Sullivan Road, Spokane, Washington 99215
Mailing Address



Attorney Docket No. 1725.77US02

ABSTRACT OF THE DISCLOSURE

The invention discloses an apparatus and method for reducing frequency pulling. Further, the invention provides amplitude modulation techniques to eliminate spurious signals and injection locking of the VCO to the output transmitted carrier. The architecture includes at least one synthesizer, a plurality of frequency dividers, an output VCO, a low pass filter, a mixer, a pretransmission filter and an amplifier connected in a manner to generate an output frequency which is non-harmonically related to the synthesizer VCO and to maintain the magnitude of the output frequency at, preferably, exactly 1.5 times higher than the VCO frequency.